

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003882

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K47/48 A61K39/00 A61K38/00 A61K7/40 A61P17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>FOUSSAT ARNAUD ET AL: "A comparative study between T regulatory type 1 and CD4+CD25+ T cells in the control of inflammation."</p> <p>JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 NOV 2003, vol. 171, no. 10, 7 November 2003 (2003-11-07), pages 5018-5026, XP002292996</p> <p>According to the data provided on the internet website &lt;<a href="http://www.jimmunol.org/misc/postdates/shtml">http://www.jimmunol.org/misc/postdates/shtml</a>&gt; this article was available to the public on November 7th 2003.</p> <p>the whole document</p> <p style="text-align: center;">----- -/--</p>	1-44

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

6 July 2005

Date of mailing of the international search report

02/08/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/034500 A1 (LEVINGS MEGAN K ET AL) 21 March 2002 (2002-03-21) the whole document -----	1-44
A	AKDIS C A ET AL: "INHIBITION OF T HELPER 2-TYPE RESPONSES, IGE PRODUCTION AND EOSINOPHILIA BY SYNTHETIC LIPOPEPTIDES" EUROPEAN JOURNAL OF IMMUNOLOGY, WEINHEIM, DE, vol. 33, no. 10, October 2003 (2003-10), pages 2717-2726, XP009034494 ISSN: 0014-2980 the whole document -----	1-44
A	WO 02/092793 A (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE-INSERM; GROU) 21 November 2002 (2002-11-21) the whole document -----	1-44
A	WO 97/42324 A (SCHERING CORPORATION) 13 November 1997 (1997-11-13) the whole document -----	1-44
A	ROUAIX F ET AL: "Effect of a lipopeptidic formulation on macrophage activation and peptide presentation to T cells" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 12, no. 13, 1994, pages 1209-1214, XP002082968 ISSN: 0264-410X the whole document -----	1-44
A	GROUX H: "TYPE 1 T-REGULATORY CELLS: THEIR ROLE IN THE CONTROL OF IMMUNE RESPONSES" TRANSPLANTATION, WILLIAMS AND WILKINS, BALTIMORE, MD, US, vol. 75, no. 9, SUPPL, 15 May 2003 (2003-05-15), pages 8S-12S, XP008025406 ISSN: 0041-1337 the whole document -----	1-44
A	PICHLER W J ET AL: "CELLULAR AND MOLECULAR PATHOPHYSIOLOGY OF CUTANEOUS DRUG REACTIONS" AMERICAN JOURNAL OF CLINICAL DERMATOLOGY, ADIS,, US, vol. 3, no. 4, 2002, pages 229-238, XP009034499 ISSN: 1175-0561 the whole document -----	1-44

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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 498 420 A (MENTRUP EDGAR ET AL) 12 March 1996 (1996-03-12) the whole document -----</p>	1-44

## INTERNATIONAL SEARCH REPORT

International application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 1-28 and 36-41 are directed to a method of treatment of the human/animal body by therapy (Rule 39.1(iv) PCT), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/003882

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002034500	A1	21-03-2002	NONE	
WO 02092793	A	21-11-2002	FR 2824567 A1 CA 2446981 A1 EP 1390474 A1 WO 02092793 A1 JP 2004526459 T US 2004191235 A1	15-11-2002 21-11-2003 25-02-2004 21-11-2002 02-09-2004 30-09-2004
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US 5498420	A	12-03-1996	DE 4111982 A1 AT 126430 T CA 2065579 A1 DE 59203259 D1 DK 509338 T3 EP 0509338 A1 ES 2077904 T3 GR 3017147 T3 JP 7048247 A	15-10-1992 15-09-1995 13-10-1992 21-09-1995 18-09-1995 21-10-1992 01-12-1995 30-11-1995 21-02-1995